

Holdings in factus
terrestris Pro. D.

Office - Enclosed Rep. 1892 p. 4
- floor covered Rep. 908 p. 2

Herbarium bellidif exab. Rep. 1803 p. 2.
— *Linnaria* in id Rep. 1907 p. 3.

Store repaired White water Rev 1910 b. 2.
P.M. 1912 b. 4

Sec. Gov. now created Rep. 1907 p. 4
Rep. 1908 p. 1

Clerk's sweater built. Rep. 1908 b. 1
Rep. 1908 b. 1

Expenditure for act 1807 p 146 Cost \$750.

Tool Box " " " " 1300

Kioto 406
Aug 1963

Kusno
Aust Cawelti Vraatzel 1906 p 146 }

Great Crested Grebe 1906 p 146 {
Drepanus " " p 146 }

From Whom ...

Place ...

Date ...

**R PROPOSAL THAT THE P.W.D. SHOULD BE PUT IN CHARGE
OF ALL GARDENS' PERMANENT BUILDINGS.**

Former Papers.

MINUTES.

Final Paper.

Committee,

The enclosed is circulated for information.
 Acting on your ^{decision} (^{October 26th. 1915}) that
 the Gardens should be ready to contribute towards
 the rebuilding of the early lines as far as able,
 I have consented to the setting aside of \$ 1500
 for the central building, thus ^{absorbing} ~~setting~~—aside
 practically the whole of last year's savings.

The suggestion that our vote might be reduced,
 must be resisted. It will be disastrous if it is
 reduced, when there is so much calling for
 attention, and the hope of getting more done
 upon the appointment of the Field Assistants.

P. Maybukree

6.9.16.

Seen Jan 8
12/9/16

Seen - 14/12/16

Seen - 5/12/16

Seen.
W.E.D.

Gardens

462/10/16

From Whom ...	DIRECTOR OF GARDENS
Place ...	SINGAPORE
Date ...	24/ 6/16

RECONSTRUCTION OF JAVANESE COOLY LINES.

Former Papers.

MINUTES.

Final Paper.

21.6.16

C.E.

Referred for your remarks

Ibid. R.C. 27/6/16

C.S.

With reference to paras 1 & 2 of the Directors letter there is at present one large building built of jungle rollers with an outer reef. This is occupied by married coolies in dark cubicles and by single coolies. It is proposed to repair and improve this building and to allot it to single men only and to build of permanent materials lines for the married coolies. The repairs will cost \$1,500 and might be borne by the Gardens Committee. The new lines will cost \$10,250/- and the sum might be inserted in the 1917 Estimates.

C. With reference to para 3 I think all buildings that are of a permanent nature should be maintained by Government and that all buildings that are temporarily required might be built of permanent materials and then be maintained by Government.

In this connection I consider the following buildings might be maintained by Government:

DRAFT

FAIR COPY
SIGNED BYE 125
12

DATED

17th May 1912

To

Sir,

Curator's Quarters.

Sir, I have the honour
 to inquire if the (practically) rebuilding
 of the Curators' Quarters in the Botanic
 Gardens ^{will be} included in next year's
 estimates, as requested.

I have the honour to be

Sir,
 J. I. S.
 for D

Hon. Col. Engineer.

It is requested that the following number be quoted in the reply to this letter.



PUBLIC WORKS AND SURVEY DEPARTMENT,

Singapore, 9 March, 1907.

Sir,

In reply to your letter of the 4th instant No: 129, I have the honour to inform you that I do not understand how plants can be stolen from Government Quarters, since it is the custom to put a Caretaker in charge as soon as information is received that quarters are vacant.

2. Special instructions will however be given to the Caretaker in future regarding plants the property of Government.

I have the honour to be,

Sir,

Your obedient servant,

Acting Superintendent of Works and Surveys.

This letter has got into hands. In it Mr. Farquhar accepts principle that any plant from a vacant H.Q. must when for fitting into another building be in good condition to be supplied for free.

The Director of Gardens,

SINGAPORE.

It is requested that the following number be quoted in reply to this letter.

No.

Public Works and Survey Department,

Singapore, 25th March, 1909.

Sir,

In reply to your letter of the 17th. instant suggesting that 6 Tamil coolies employed at the gardens might be permitted to reside in the vacant Artist's quarters, I have the honour to inform you that I agree to your proposal on the condition named in your letter i.e. that the Head man be held responsible for keeping the quarters clean and for any damage.

I have the honour to be,

Sir,

Your obedient servant,

Ag: Superintendent of Works and Surveys.

The Director of Gardens,

SINGAPORE.

DRAFT

FAIR COPY
SIGNED BYE. 1912

DATED

17th May, 1912

To

SIR,Repair to Buildings, Garden
Sir,

I have the honour
 to ~~say~~ ^{say} that the following works are
 urgent and ask for same to be
 included in next year's estimates:-

a garden office
 b garden store
 c Herbarium.

- (a) Doors and windows all in
bad order.
- (b) Roof in bad order (noticed by
the Auditor General) a tile roof
is not suitable as there are so
many overhanging trees - which
are preserved being type
specimens.
- (c) Ventilators and ventilation
bad.

I have the honour to be,

Sir,

Y. S.

for. I.

K. Col. Lyman

Executive Engineer

(G 33)

Minute paper No.

Sheet No. 267.603

Draw Sir,

In regard to the enclosed requisition for locks for the my offices and Herbarium we are not very much particular towards the ends in view. Tan end there are (1) security & (2) that I may have a duplicate key. Toward security you have supplied better locks; but meanwhile the contractor is repairing the Herbarium has filled up the lower bolt holes which should secure ~~the~~ ^{two} doors from without and a third door has a $\frac{1}{2}$ bolt hole and one of the others a bolt. Two of these doors are at present fastened at night by padlocks outside which can be taken off easily and which must be removed as some of the doors are properly securable from without.

Towards the second end, I have two serviceable duplicate keys - one given ^{the} ~~and~~ Economic factor & one the Assistant Curator's office. I have no keys which open my own office and the herbarium being the other ~~the~~ corner where I most frequently use, and when, short of your hours, I used to get in there I have had to spend the night hunting numbers searching for the watchman.

or off us whose charge the keys must
remain at their home.

I should be very glad if you
could see your way to having the
requisition completed; and to causing
bolt holes to be made & bolts fixed
to the left doors which lock without. I
enclose a sketch to assist this purpose.

Other

plan

MEMORANDUM.

From _____

To P.W.D. on 20.1.413

return under f.o. 102-¹⁰

Date _____

190

Repair for 1914.

1. Alteration & roof of Herbarium building as proposed in letter to the Colonial Engineer of 18.12.412.

Present roof is a danger to the collections because (1) it lets a great quantity of water through (2) beetles such as injure our collections live in the false roof -

Polymerised iron roof to store

2. Present roof lets in a great deal of rain and the tiles are always subject to breakage from falling branches & fruits off the trees which must be retained overhead.

3. Removal of a low part of the artist's gallery. Periodic repairs will not be done, but deterioration is proceeding so fast that much of the work will have to be renewed before time.

Minute paper No. 4622/16

Sheet No. 1.

(1) Economic Gardens Office

(2) Public Laundry

(3) The new ecclesy lines referred to in para 1 if built.

3. When it become necessary to rebuild the other buildings referred to by 1
 the Director in permanent materials these might be built by Government or
 other mairtained.

Intd. P.J.P. 3/3/16

C.S.

The suggestions of the C.E. are (1) to build permanent lines for
 married ecclesies at a cost of \$10,250 and for that purpose to enter that
 sum in the Estimates for 1917.

(II) that the Gardeners Committee improve the present lines, which have
 been adversely reported on by the Dy. Sup't. M.I.I. and gives them to up-
 married ecclesies.

(III) that the P.W.D. undertake the Up-keep of permanent buildings only
 3. These suggestions would meet the wishes of the Gardeners Committee
 except that they wish the P.W.D. do up-keep also buildings marked 3 to 6 in
 (1).

Intd. R./. 9/3/16

The D of Gardeners says the number of men carpet be diminished and
 suggests rebuilding the lines, but the C.E. says what is really wanted is
 to repair the lines and build new ones also which is right?

3. If the P.W.D. take over the up-keep of the buildings, what reduction
 in the grant is proposed? Intd. E.C.H.W 11/3/16

D of G

Please see the C.E.'s minute would his building and repairing pro-
 posals meet your wishes?

3. What reduction in the grant to the Gardeners could be made, if the
 P.W.D. took over the up-keep of the buildings suggested (1) by him (II) by
 you?

Intd. R.C. 11/3/16

Minute paper No. 4622/16.

Sheet No. 5

C.S.

The lines consist of a central building partly occupied by married men and partly by single men, with other married men's quarters round it. All roof or will soon need to be repaired or replaced. The C.E. proposes, and I agree, to turn the married men out of the unsatisfactory cubicles alongside the unmarried men, and to provide quarters for them as well as for the married men now in the adjoining houses, at a cost of \$10,250.

He then asks if the Gardens Committee can repair at a cost of \$1,500 the central building which will remain the unmarried men's quarters.

3. You ask if we can do that. Yes we can.

3. But please note that I cannot guarantee that the Gardens revenue will maintain this building or the buildings 3-6 in (1). The Gardens revenue comes from (1) the sale of plants and practically all that goes back with their raising.

(II) the sale of rubber, and as the price will drop sooner or later, I shall not have the present revenue in coming years.

I should prefer to see the charge of those buildings handed over to the P.W.D. and the Gardens Committee can pay over \$1,500 to that Department as a contribution towards the work immediately necessary.

4. You will see that being unable to guarantee the upkeep of the buildings I cannot see possible any reduction of the vote. we need either a special vote sooner or later to me, or one to the P.W.D.; and the second is the best course.

S.I.H. Marill 10/3/16

C.S.

\$10,250 may be placed on the 1917 Estimates for new Occy lines?

3. The Gardens Committee will repair the old lines so no action other than approval of their Budget doing so is necessary.

3. The question of handing over repair of all the permanent buildings P.W.D. is a more difficult matter. It seems the most practical thing to do but I cannot see why the Govt. grant should not be reduced if that is so. The fall in the price of rubber can be faced when it comes: it has not come yet.

L.M. E.C.H.W. 23/3/16

Minute paper No. 46.22/16

Sheet No. 5

A.C.S.

Your (1) approved,

2. The old Lires will be repaired by the Gardens Committee.

3. I consider up-keep of all permanent buildings should be the business of the P.W.D.

4. Ask the Director to put a statement showing Revenue & Expenditure on the Gardens for 1914 & 1915 we can then see what expenditure in repair and upkeep of the present buildings has been for those years

sd. P.S. James 24/8/16

C.E.

To note \$10,250 to be entered for repair of Gardens Old Lires

Intd. R.C. 24/8/16

C.S.

Noted. Botanical Gardens Quarters for 14 married Ceclies, erection of
\$10,250/-

Intd. F.J.P. 31/8/16

D of G

Please comply with para 3 of minute of 24/8/16

Intd. R.C. 31/8/16

C.S.

I regret that it must be held impossible to allow the vote to be reduced. The touchstone is the relation of our expenditure on buildings to our revenue less expenditure i.e. its relation to our balance in hand at the end of each year.

Balance in hand at the end of

1912 4,632

1913 3,588

1914 2,636

1915 3,785

as per last Annual Report

Minute paper No. 4622/16

Sheet No. 4

Spent on buildings as on attached the paper:-

1913 \$ 918-00

1914 911-23

1915 1126-00

As the \$1,500 set aside for the Gardeners' quarters comes out of last year's savings ~~the unappropriated balance of the end of 1915 becomes \$2285. Comparing the reduction of capital and unappropriated balance of~~ the total spent on buildings

you will see that they roughly balance thus:-

Reduction	of balance	Spent	on buildings
1913	\$ 1,045	\$ 918	
1914	959	911	
1915	545	1126	

We have undertaken maintaining our buildings out of capital.

I arrived in the colony near the end of the year 1912, and one of the first facts that I discovered was that the Acting Director had signed or contracted to spend not less than \$5000 in excess of the Gardener's income.

As the condition could not continue, I had immediately to devise economies: and I have lived in devising them continually. A glance at the last annual report will show that I have gradually brought the revenue and expenditure more or less together. It has taken several years. Naturally at such a time as this, after seeing it have set the financial position right, most unwillingly shall I see myself with your vote reduced.

In fact the reduction ^{would} ~~I expect~~ ^{over} mean the throwing ^{over} of some of the garden's undertakings.

I have not referred this file to the Gardeners' Committee, because it takes time to circulate a file, but I am sending a copy of it round after voting, as finance is essentially the Committee's business.

You have not voted anything on my readiness to take over the upkeep of the Large Plant house from the P.W.D.

sd. I. H. Burkill 6/9/16

Minute paper No.

4622/16

Sheet No.

5

C.S.

The D of G has not put up the statement asked for and envelope, saying
briefly, that the amount of revenue is not relevant to the question.

Int'd.R.C.9/9/16

Let me have the 1914 & 1915 Annual Reports.

sd.P.S.James 11/9/16

I cannot get what I want.

A statement of the Revenue for 1914 & 1915. A statement of expenditure
both of capital and upkeep on buildings (a) 1914 (b) 1915. If the Director
will put this up together with his estimated expenditure for 1917 on the
upkeep of the buildings which it is proposed to lease in the hands of
the Committee then we shall be able to arrive at some sort of decision
as to whether it will be necessary to reduce the Govt. Grant or not.

sd.P.S.James 13/9/16

D of G

For action please

Int'd.R.C.13/9/16

C.S.

Revenue in 1914 \$6,096

" 1915 6,762

Expenditure on buildings entirely on the upkeep 1914, 1911 & 1915 inclusive
in the first of the two years, the structures repaired were all wooden
stamped buildings; in the second, the sum of \$31 was spent on wooden stamped
buildings and \$95 on a permanent bridge at the entrance to the Javanesse
factory lines.

Q. Probable expenditure in 1917 (less) (not including the \$1500
promised in para 3 of my note of 10-8-16) to be spent entirely on buildings
left with the Committee under the C.I's belief in para 3 of his note of
3-8-16. That is to say none of anticipated expenditure of 1917 falls away
from the Gardens Committee.

Minute paper No. _____

Sheet No. 6

3. My last note (6-9-16) was written on the supposition that the P.W.D. would take over the charge of all buildings except Plant houses and Potting sheds. Your subsequent note takes the other view, that the P.W.D. will take over the buildings only, the Economic Gardens Office and the Public Latrine. (the first is a permanent one, but the second is not) and add to their charge other buildings only when they are reconstructed in permanent materials. Be the argument which I used, namely that the vote should not be reduced because the buildings had not been paid for out of it in the past few years, but from money parked when rubber was seven shillings a pound, you will tell me all the unanswerable one that the vote should not be reduced because none of the buildings which will cause the 1917 expenditure are to pass to the charge of the P.W.D. instead they are to take under Mr. Pigott's scheme the Economic Gardens Office which will not require repairs for several years, and the public latrine, which becomes superannuated immediately the Gardens Laboratory is built (file 769/ 14) and of which no money should be spent. In fact I have stopped the P.W.D. from using a vote of £600 that they had for it.

sd. I. H. Burkill 18/9/16

Matters may remain as they are
J. S. James,

by
To rule.

G. J. H. D. B.
27.9.16.

Lille b C.S. with
2 leaders 23.6.9

all parts of manna just with
water & so

23rd. June, 1917

REPAIR OF JAVANESE COOLY LINES.

Sir,

I have the honour to refer you to file
Gardens 4622/1916, notes dated 24/3/16 para 2, being
your consent that the old building used by bachelors
in the javanese cooly lines of those gardens, should
be repaired at the cost of the gardens Committee, while
Government would meet the cost of the erection of
quarters for married men, and to add that the old
building is now uninhabitable and must be repaired
at once.

Can I see Mr K. N. Astbury?
2. I enclose two tenders and ask that I may be
allowed to close with one or the other or with any
other arrangement that the Tender Board can suggest
which will be immediately applicable.

I have the honour to be, Sir,

Your obedient servant,

B. 48/16

Director of Gardens, S.S.

The Honourable

the Colonial Secretary.

ON HER MAJESTY'S SERVICE.

Botanic Gardens, Singapore
Revenue & Expenditure for:-

1913

1914

1915

Revenue:-

By Government Grant for other Charges	\$ 4,950-00	12,036-00	12,376-00
By Sale of Plants, Seed, rubber, &c	10,745-49	<u>11,938-29</u>	10,294-42
+ balance in bank			
Total	\$ 18,695-49	23,974-29	22,640-42
Expenditure of this amount	15,672-08	22,420-57	19,893-16
Spent on Building	918-20	911-23	1,126-25

Amount Spent on:-
1913

Building repaired to:-

Building Materials	\$ 350-00	Watchmen's quarters
Attacks	143-20	Plant House
Timber	200-00	Part of Javanese Cooly Lines
Re-attaching	50-00	Rubber Store
Labour	<u>175-00</u>	" Stone keepers quarters
	<u>918-20</u>	

1914

Building Materials	698-58	Rubber Smoking House
Attacks	22-65	Orchid propagating House
Timber	115-00	
Labour	75-00	
	<u>911-23</u>	

1915

Building Materials	687-35-	Two Potting Sheds
Attacks	82-90	Javanese Foreman Gardener's quarters
Timber	236-00	" Kitchen
Labour	150-00	Bridge to Javanese Cooly Lines

Aceras *Sapota* "Sapodilla" Mal. Chiku

Aegle Marmelo

Wael Fruit

Anacardium occidentale "Cashew nut"

Anona montana

"Mountain apple"

,, *muricata*

"Scurson"

,, *paluastris*

"Alligator apple"

,, *reticulata*

"Bullock's Heart"

,, *squamosa*

"Custard apple"

Artocarpus Gonzeziana "Mal. Tampang"

,, *hirsuta*

,, *incisa*

"Bread fruit"

,, *integrifolia*

"Jack fruit "

,, *jurastleri*

"Mal. Getah Terap"

,, *Lakechha*

"Mal. Tampang Ambeng"

,, *lanceolata*

"Mal. Kledang "

,, *Mairgayi*

,, *nucifera*

"Mal. Chempedak"

,, *polyphemia*

"Monkey Jack"

,, *rigida*

"Monkey Jack"

,, *Seertechirii*

,, *superba*

Colonial Secretary

24th June 1916

Sir,

At the direction of the Gardens Committee I have the honour to address you in regard to the Javanese Cecly lines of these Gardens. The lines need rebuilding: they have been condemned by the Superintendent of Netherlands Immigration (file Immigration 2121/16): and the cost of rebuilding will be £11,750 (as stated in a letter from the Hon'ble Colonial Engineer 78/1916 under date of 9th May 1916).

1. The cost cannot possibly be met from the Gardens Committee funds: and I am to ask you that a special vote may be made to the Public Works Department for the work. At the same time I am to state that the Committee has ~~thoroughly~~ examined the requirements in the way of Cecly lines and is convinced that the number of men housed can in no way be diminished because the neighbourhood offers very meagre accommodation for labourers.

2. In regard to the Penang Gardens the principle is maintained that quarters and offices are looked after by the Public Works Department Plant houses by the Gardens but in regard to the Singapore Gardens there is no such simple working rule: and my Committee would most willingly see their duty of maintaining the following handed over to a

The Hon'ble

The Colonial Secretary S.S.

Kindly address Official correspondence to the Director Botanic Gardens, Singapore, and not to Officers by name.



Botanic Gardens, Singapore,
STRAITS SETTLEMENTS.

29th May

1916

Sir,

I have the honour to ask if it would be possible to permit me to frank letters to the Federated Malay States, to go here,

a Department - the Public Works Department- staffed for such work Economic Gardens Office, Public Latrine, Watchmen Quarters, Javanese Cecly Lines, Tamil Cecly Lines, Fruit Keeper Quarter and Rubber Houses, taking in stead the charge of all Plant houses water supply system and structures such as Potting shed connected with gardening. They would particularly welcome such a reasonable separation at the present time, because it will cut away the necessity during the coming years for addressing you for aid in regard to these buildings severally.

I have the honour to be

Sir,

your obedient servant

Director of Gardens S.S.

The Hon^{ble}

The Colonial Secretary S.S.

Singapore.

No Minutes should be written on this page. A separate half-sheet
to be used if required.

No Minutes should be written on this page. A separate half-sheet
to be used if required.
